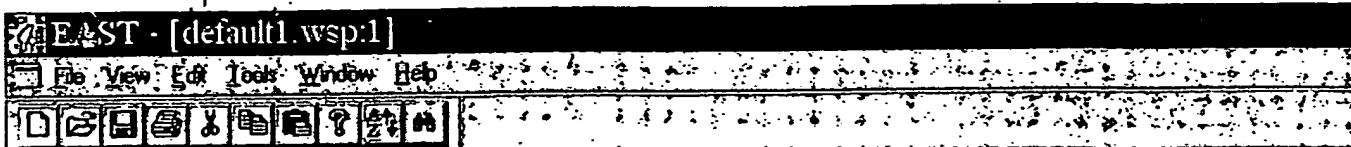


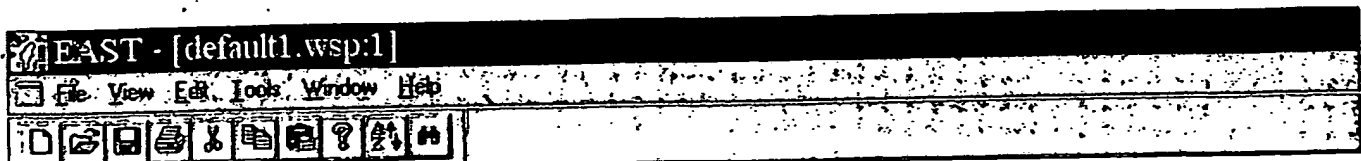
- ☐ Drafts
- ☐ Pending
- ☒ Active
 - ☐ L1: (632) roller adj cone
 - ☐ L2: (540) drill and 1
 - ☐ L3: (120) (balance or balanced) and 1
 - ☐ L4: (23) whirl and 3
 - ☐ L5: (1) "5042596".PN.
 - ☐ L6: (1) "4815342".PN.
 - ☐ L7: (1) "4790397".PN.
 - ☐ L8: (1) "4753305".PN.
 - ☐ L9: (1) "4641718".PN.
 - ☐ L10: (1) "4549614".PN.
 - ☐ L11: (1) "4545441".PN.
 - ☐ L12: (1) "3966349".PN.
 - ☐ L13: (1) "3851719".PN.
 - ☐ L14: (1) "3751177".PN.
 - ☐ L15: (1) "3629558".PN.
 - ☐ L16: (1) "3163243".PN.
 - ☐ L17: (1) "1463566".PN.
 - ☐ L18: (2256) brett.in.
 - ☒ L19: (2018) whirl and 18
- ☐ Failed
- ☒ Saved
- ☐ Favorites
- ☐ Tagged (0)
- ☐ UDC
- ☐ Queue
- ☒ Trash

| | Fig | 1 | Document ID | Issue Date | Pages | Title | |
|---|--------------------------|--------------------------|---------------|------------|-------|---|---|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 6550534 B2 | 20030422 | 12 | Utilization of energy from flowing fluids | 1 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 6321836 B1 | 20011127 | 9 | Utilization of energy from flowing fluids | 1 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6247533 B1 | 20010619 | 9 | Utilization of energy from flowing | 1 |



- ☐ Drafts
- ☐ Pending
- ☒ Active
 - ☐ L1: (560) roller adj2 bit
 - ☐ L2: (1494) objective adj2 function
 - ☐ L3: (1) 1 and 2
 - ☐ L4: (3581) halliburton
 - ☐ L5: (2) 2 and 4
 - ☐ L6: (1) 2 same drill
 - ☐ L7: (32) 2 and drill
 - ☐ L8: (11) simulat\$5 same 1
 - ☐ L9: (76) design\$5 same 1
 - ☐ L10: (42) design\$5 with 1
 - ☐ L11: (34) 9 not 10
 - ☒ L12: (25) with 1 and 1
- ☐ Failed
- ☒ Saved
- ☐ Favorites
- ☐ Tagged (0)
- ☐ UDC
- ☐ Queue
- ☒ Trash

| | U | I | Document ID | Issue Date | Pages | Title | |
|---|--------------------------|--------------------------|---------------|------------|-------|--|---|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 6651758 B2 | 20031125 | 16 | Rolling cone bit with elements formed along the gage curve | 1 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 6637527 B1 | 20031028 | 13 | Cutting structure for roller cone drill bits | 1 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6619411 B2 | 20030916 | 14 | Design of wear compensated roller cone | 1 |



- Drafts
- Pending
- Active
 - L1: (4) chen.in. and shilin
 - L2: (3581) halliburton
 - L3: (1058) drill and 2
 - L4: (585) roller adj cone
 - L5: (53) simulat\$5 and 4
 - L6: (439) design\$3 and 4
 - L7: (392) 6 not 5
 - L8: (90) Optimiz\$5 and 4
- Failed
- Saved
- Favorites
- Tagged (0)
- UDC
- Queue
- Trash

| | U | I | Document ID | Issue Date | Pages | Title | |
|---|--------------------------|--------------------------|---------------|------------|-------|--|---|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 6651007 B2 | 20031118 | 20 | Adaptive seismic noise and interference attenuation method | 7 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 6607835 B2 | 20030819 | 15 | Composite constructions with ordered microstructure | 4 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6598690 B2 | 20030729 | 16 | Dual dynamic rotary seal | 1 |

CLASS 175 BORING OR PENETRATING THE EARTH

- 1 **WITH SEISMIC SHOCK GENERATING**
- 2 **BORING WITH EXPLOSION IN INACCESSIBLE HOLE**
- 3 . Severing formed core by explosion
- 3.5 . Explosive charge carried by projectile
- 4 . Driving core receiver by explosion or with receptacle collecting material in bore
- 4.5 . Directing successive projectiles or charges in same path
- 4.51 . With position orienting or indicating
- 4.52 . With wall engaging packer or anchor
- 4.53 . Firing chamber movable in bore relative to carrier or another firing chamber
- 4.54 . With bore condition firing control, or compensating means
- 4.55 . Independent firing of plural charges
- 4.56 . Firing control mechanically actuated in bore
- 4.57 . Projectile forms bore
- 4.58 . . With means to initially restrain projectile for pressure build-up
- 4.59 . . With means to prevent preliminary bore fluid contact
- 4.6 . Concave-shaped charge
- 5 **BORING A SUBMERGED FORMATION**
- 6 . Boring with underwater tool drive prime mover
- 7 . Boring from floating support with submerged independent anchored guide base
- 8 . Boring from submerged buoyant support
- 9 . Boring from nonbuoyant support
- 10 . Boring with submersible vertically movable guide
- 11 **BORING BY DIRECTLY APPLYING HEAT TO FLUIDIZE OR COMMUNUTE**
- 12 . Combustion of the formation material
- 13 . With introduction of slag forming flux
- 14 . Combustion in confined chamber having restricted discharge orifice
- 15 . Rotating the heating tool
- 16 . Electrically produced heat
- 17 **WITH HEATING OR COOLING (1) WITHIN THE BORE, OR (2) DRILLING FLUID**
- 18 **ICE BORING**
- 19 **BORING WITHOUT EARTH REMOVAL (I.E., COMPACTING EARTH FORMATION)**
- 20 . Combined with earth removal (e.g., removing sample)
- 21 . Fluid passage to exterior of drive point